

What is claimed is:

Sub A
2 1. A hose nozzle for use with a hose having one end connected to a fluid source and an opposite connector end, the hose nozzle comprising:

4 a hollow body having a connector end mateable with the connector end of the hose and a hand grip shaped to fit a
6 user's hand;

8 a fluid flow pattern varying assembly in sufficient proximity to the hollow body to allow manual actuation by the index finger and thumb of the user's hand;

10 an outlet member coupled to the fluid flow pattern varying assembly and the hollow body which permits fluid
12 flow on the manual actuation of the fluid flow pattern varying assembly; and

14 a fluid passage extending through the hollow body permitting fluid to flow from the hose to the outlet member.

2 2. The nozzle of claim 1 wherein the hand grip is a resilient and soft material.

3. The nozzle of claim 2 wherein the hand grip
2 is an elastomeric polymer.

4. The nozzle of claim 1 wherein the hand grip
2 is rubber.

SUB A2
2 5. The nozzle of claim 1 wherein the hollow
member is rigid plastic.

6. The nozzle of claim 1 wherein the hand grip
2 has a top surface allowing the placement of a user's palm
and a bottom surface with three finger notches.

7. The nozzle of claim 1 wherein the hollow body
2 is bent at an angle relative to the outlet member allowing
the water flow to be directed by a user's wrist when the
4 user's arm is in a substantially vertical position.

SUB A3
2 8. The nozzle of claim 1 wherein the actuatable
fluid flow rate assembly includes an outer sleeve member and
an annular collar fixedly attached circumferentially around
4 the outer sleeve member.

9. The nozzle of claim 8 wherein the annular
2 collar has a beveled exterior surface having ridges to
permit gripping by the user's thumb and index finger.

10. The nozzle of claim 8 wherein the outlet
2 member includes an inner stem member having a hollow area
with fluid access to the fluid passage, further having a
4 threaded exterior portion and an orifice allowing fluid
passage through the inner stem member, wherein the inner
6 stem member is located inside the outer sleeve member; and

wherein the outer sleeve member has a threaded interior
8 surface which meshes with the threaded exterior surface
allowing the outer sleeve member and the annular collar to
10 be extended or retracted by rotating the outer sleeve member
in relation to the inner stem member.

11. The nozzle of claim 10 wherein the inner stem
2 member includes a beveled cylinder having a cap, the beveled
cylinder being located opposite the exterior threaded
4 surface; and

wherein the outer sleeve member has an end wall with an
6 aperture with sufficient diameter for partial insertion of
the beveled cylinder; and

8 wherein a cavity is formed between the inner stem and
outer sleeve members with fluid access through the orifice
10 in the inner stem member.

~~543 A4~~
12. The nozzle of claim 8 wherein the inner stem
and outer sleeve members are brass.

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13. The nozzle of claim 8 wherein the annular
2 collar is plastic.

~~543 A5~~
14. A hose nozzle for controlling and varying a
water stream from a hose having one end fluidly coupled to a
pressurized water source and an opposite open end, the hose
4 nozzle comprising:

a generally tubular body having a connector end coupled
6 to the opposite open end of the hose, the tubular body
having an interior cylindrical passage permitting flow of
8 water from the hose through the tubular body and a hand
grip;

10 an inner stem member coupled to the opposite end of the
tubular body from the connector end, the inner stem member
12 having one open end permitting passage of water
therethrough, an opposite closed end, and an orifice
14 permitting passage of water therethrough proximate the
opposite closed end, the inner stem member having a beveled
16 cylinder on the closed end and a threaded exterior surface
proximate the open end;

18 an outer sleeve member having an open end with a
threaded interior surface intermeshed with the threaded
20 exterior surface of the inner cylinder permitting the outer
sleeve member to be retracted or extended in relation to the
22 inner stem member by rotation about the inner stem member,
the outer sleeve member having an end wall opposite the open
24 end with an aperture with a sufficient diameter to allow the
passage of a portion of the beveled cylinder; and

26 wherein the hand grip is shaped to allow a user's hand
to hold the tubular body and rotate the outer sleeve member.

15. The hose nozzle of claim 14 further
2 comprising an annular collar attached to at least a portion
of the exterior surface of the outer sleeve member.

16. The hose nozzle of claim 15 wherein the
2 annular collar has a beveled exterior surface and permits a
user's index finger and thumb to rotate the annular collar.

Sub A4
17. The nozzle of claim 14 wherein a cap is
2 attached to the beveled cylinder on the end opposite the end
attached to the closed end of the inner stem.

18. The hose nozzle of claim 14 wherein the hand
2 grip has a bottom surface with a plurality of finger notches
and a top surface shaped to allow placement of a user's
4 palm.

19. The nozzle of claim 18 wherein the hand grip
2 is an elastomeric polymer.

20. The nozzle of claim 18 wherein the hand grip
2 is rubber.

21. The nozzle of claim 14 wherein the tubular
2 body is bent at an angle relative to the inner stem and

outer sleeve members allowing the water flow to be directed
4 by a user's wrist when the user's arm is in a substantially
vertical position.

22. The hose nozzle of claim 14 wherein the inner
2 stem and outer sleeve members are brass.

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